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<b>Notice of Allowability</b>	Application No.	Applicant(s)	
	10/784,576	KOIKE ET AL.	
	Examiner	Art Unit	
	Shafiqul Haq	1641	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendments and arguments filed 8/18/06.
2. ☒ The allowed claim(s) is/are 1-2, 5-7 and 9-13, now renumbered as 1-10.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

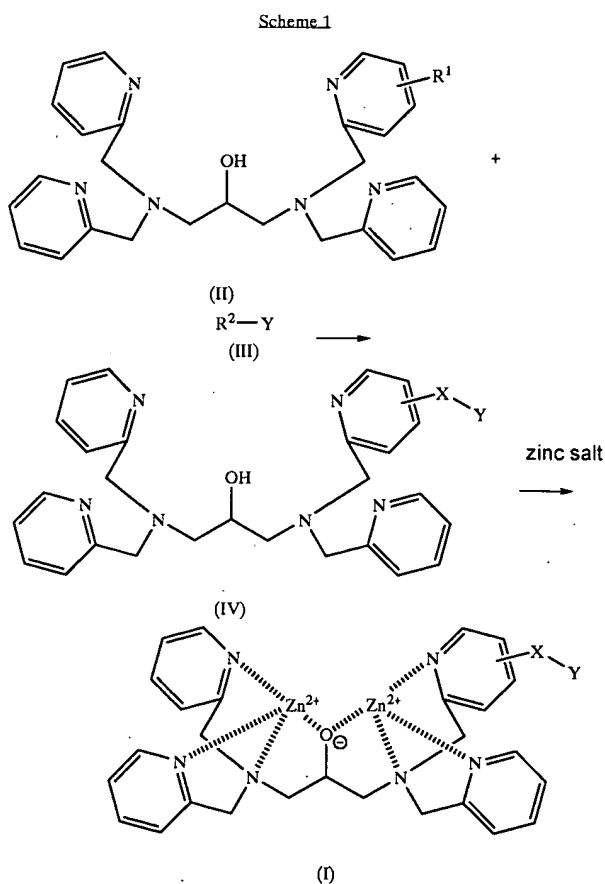
4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date <u>1/13/06</u></li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
|---|--|

**Examiner's amendment**

1. Authorization for this examiner's amendment was given in a telephone interview with Gerald E. Hespos on November 14, 2006.
2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
3. Claims 7 has been amended as follows: replace claim 7 with the following:  
--A method for producing compound (I), comprising Scheme 1



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wherein,

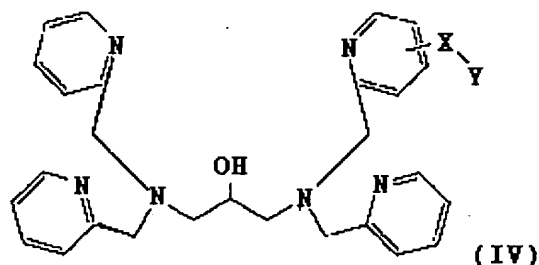
$R^1$  and  $R^2$  each is a reactive group for forming the linker moiety X; wherein X is: a C1-C6 alkylene; an amino; an ether; a thioether; a carbonyl; a thionyl; an ester; an amide; a urea; a thiourea; a C1-C6 alkylene further comprising a radical selected from the group consisting of an amino, an ether, a thioether, a carbonyl, a thionyl, an ester, an amide, a urea or a thiourea at an end of the C1-C6 alkylene contacting Y or at the heterocyclic portion of Compound I; a C1-C6 alkylene further comprising two radicals selected from the group consisting of an amino, ether, a thioether, a carbonyl; a thionyl, an ester, an amide, a urea or a thiourea, wherein a first of the two radicals is at an end of the C1-C6 contacting the heterocyclic portion of Compound I and a second of the two radicals is at an end of the C1-C6 alkylene contacting Y, the two radicals being identical to or different from each other; or X is a radical comprising at least two linearly linked radicals selected from the group consisting of an amino, and ether, a thioether, a carbonyl, a thionyl, an ester, an amide, a urea, a thiourea, and a C1-C6 alkylene

and Y is a labeling group.--

4. Claims 13 has been amended as follows: replace claim 13 with the following:

--A precursor compound:

represented by formula (IV):



wherein,

X is: C1-C6 alkylene; an amino; an ether; a thioether; a carbonyl; a thionyl; an ester; an amide; a urea; a thiourea; a C1-C6 alkylene further comprising a radical selected from the group consisting of an amino, an ether, a thioether, a carbonyl, a thionyl, an ester, an amide, a urea or a thiourea at an end of the C1-C6 alkylene contacting Y or at the heterocyclic portion of Compound I; a C1-C6 alkylene further comprising two radicals selected from the group consisting of an amino, ether, a thioether, a carbonyl, a thionyl, an ester, an amide, a urea or a thiourea, wherein a first of the two radicals is at an end of the C1-C6 alkylene contacting the heterocyclic portion of Compound I and a second of the two radicals is at an end of the C1-C6 alkylene contacting Y, the two radicals being identical to or different from each other; or X is a radical comprising at least two linearly linked radicals selected from the group consisting of an amino, and ether,

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a thioether, a carbonyl, a thionyl, an ester, an amide, a urea, a thiourea, and a C1-C6 alkylene

and Y is a labeling group.--

**Conclusion**

5. Claims 1-2, 5-7 and 9-13, now renumbered as 1-10 are allowed.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shafiqul Haq whose telephone number is 571-272-6103. The examiner can normally be reached on 7:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long V. Le can be reached on 571-272-0823. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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ART UNIT 1641



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